



## **Strengthening National Public Health Preparedness and Response to Chemical, Biological and Radiological Agent Threats**

Volume 20 NATO Security through Science Series: Human and Societal Dynamics  
Editors: C.E. Cummings and E. Stikova  
June 2007, 196 pp., hardcover  
ISBN: 978-1-58603-744-4  
Price: US\$144 / €115 / £79

Ensuring a coordinated public health, laboratory, and medical response to a natural disaster, an accidental release or a deliberate use of a chemical, biological, and radiological (CBR) agent is a high priority for all countries. This publication contains the proceedings of the North Atlantic Treaty Organization (NATO) and Advanced Study Institute (ASI). The ASI, and this publication, provides NATO and its allies with ways to enhance their national preparedness and response plans to CBR threats. The recommendations should be of interest to clinicians, researchers, and other scientists motivated by special interest in public health preparedness, as well as by national and NATO leaders and policy makers who are positioned to make a difference. Public health response to emergencies requires extensive, coordinated, considered efforts of the combined military and civilian public health resources of all NATO nations and NATO Partner nations.



## Contents:

### Introduction

- The Need for Strengthening National Public Health Preparedness and Response to CBR Agent Threats / *C.E. Cummings, E. Stikova, C.S. Larach and P.D. Rumm*

### American Medical Association – Basic Disaster Life Support (BDLS) Course

- Healthcare Disasters: Local Preparedness, Global Response! / *R.E. Swienton, I. Subbarao and P.L. Coule*

### Epidemiology

- Pivotal Steps to Building Global Health Security / *E.A. Gursky*
- Improvement of an Integrated System of Disease Surveillance in Georgia Under International Cooperation / *L. Bakanidze, P. Imnadze, S. Tsanova and N. Tsertsvadze*

### Informatics

- Public Health Preparedness: I-Prevention and Global Health Network Supercourse / *F. Linkov, R. Laporte, F. Sauer and E. Shubnikov*
- Public Health Preparedness and Effective Access to Information: Getting the Most Out of Your PC / *E. Tseytlin*
- Information Security Approaches to Provide Social System Continuity in Conditions of Chemical, Biological, Radiological and Nuclear Threats / *R. Laporte and A. Trufanov*
- The Role of Information Technologies and Science in the Prevention of Bioterrorism / *E. Shubnikov, F. Linkov and R. Laporte*

### Modeling and Simulation

- Using Modeling and Simulation in Planning for Public Health Emergencies / *C.D. Robinson*
- Modeling Munitions and Explosives of Concern (MEC) CBRN Hazards: Novel Tools and Approaches for Strengthening the Conceptual Site Model for Public Health Preparedness / *C. Tomljanovic and C. Volz*

### Biological Agents

- Crimean-Congo Hemorrhagic Fever – A Biological Weapon? / *E. Akbas*

### Chemical Agents

- Fundamentals of Preparedness Against Chemical Threats – Introduction / *A. Rossodivita, E.J. Stikova and C.E. Cummings*
- Chemical Warfare Agents – Medical Aspects and Principles of Treatment, Part I – Nerve Agents / *A. Rossodivita, M. Guidotti, M.C. Ranghieri, E.J. Stikova and C.E. Cummings*
- Chemical Warfare Agents: Medical Aspects and Treatment Principles, Part II / *A. Rossodivita, M. Guidotti, M.C. Ranghieri and E.J. Stikova*
- Chemical Warfare Agents: Weapons of Mass Destruction or Psychological Threats? / *M. Guidotti, M.C. Ranghieri and A. Rossodivita*
- The Psychological Effects of Biological Agents as Terrorist Weapons / *M.C. Ranghieri, M. Guidotti and A. Rossodivita*

### Radiological Agents

- Medical Effects of Ionizing Radiation / *C.E. Cummings*

### Special Topics

- A Framework to Understand the Centrality of Protection and Restoration of Ecosystem Services to Water Management and Preparedness: An All-Hazards Approach with Implications for NATO Plans and Operations / *C.D. Volz*
- Social Marketing as a Potentially Valuable Tool for Preparedness / *P.D. Rumm and C.E. Cummings*
- Including Diverse Populations with Unique Needs in Emergency Planning / *C.S. Larach, C.E. Cummings and M. Polansky*

**-ORDER ONLINE AT WWW.IOSPRESS.NL OR FILL IN THIS FORM-  
Select the title of your choice and click on *order online*.**

### Order form:

#### IOS Press

Nieuwe Hemweg 6B  
1013 BG Amsterdam  
The Netherlands  
Tel.: +31 20 688 3355  
Fax: +31 20 687 0039  
Email: market@iospress.nl  
URL: www.iospress.nl

#### Gazelle Book Services Ltd

White Cross Mills  
Hightown  
Lancaster LA1 4XS  
United Kingdom  
Tel.: +44 1524 68765  
Fax: +44 1524 63232  
Email: sales@gazellebooks.co.uk  
URL: www.gazellebooks.co.uk

#### IOS Press, Inc.

4502 Rachael Manor Drive  
Fairfax, VA 22032, USA  
Tel.: +1 703 323 5600  
Fax: +1 703 323 3668  
Email: sales@iospress.com

If you would like to order one or more copies of the above, please fill in this order form and send it back to:

**IOS Press, Promotion Department, Nieuwe Hemweg 6B, 1013 BG, Amsterdam, The Netherlands.**

I would like to order .... copies of **Strengthening National Public Health Preparedness...** (US\$144 / €115 / £79)

Please bill me

Please charge my credit card

Amer. Express

Exp. Date

Card no.

Euro/Master

Security code

Visa

Name:

Address:

City/Zipcode:

Fax:

Signature:

Country:

Email:

Date:

Vat no.:

**Visit our website for more information or online ordering:  
www.iospress.nl / www.booksonline.iospress.nl**